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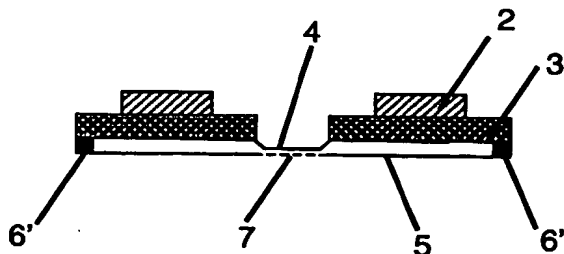
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(54) Title: **GAS FLOW GENERATOR**



(57) Abstract: A gas flow generator comprising: an  
ultrasonic driver comprising a piezoelectric or electrostrictive  
transducer mounted on a substrate, operation of the transducer  
being arranged to cause the driver to bend; a first membrane  
disposed on or formed integrally with the transducer or the  
substrate; and a second membrane mounted substantially  
parallel with the driver and spaced a given distance therefrom,  
one of the membranes being perforate, whereby ultrasonic  
bending of the driver on actuation of the transducer causes  
a gas flow through the perforate membrane.

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